

432-1496

7/2/2014

1/15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Terrie Moore  
Bayer CropScience, Environmental Science Division  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

JUL - 2 2014

Subject: Label and Confidential Statement of Formula (CSF) Notification -  
(Adding fertilizer section to label and minor updates to CSF)  
Product Name: Specticle 0.0213% Plus Turf Fertilizer Herbicide  
EPA Registration Number: 432-1496  
Application Dated: June 19, 2014

Dear Ms. Moore,

The Agency is in receipt of your application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for Specticle 0.0213% Plus Turf Fertilizer Herbicide (EPA Reg. No. 432-1496) dated June 19, 2014. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

The revised basic CSF, dated May 30, 2014, is acceptable. This revised basic CSF will be added to your file as part of the record, replacing all previous version of the basic CSF.

If you have any questions, please contact Emily Schmid of my staff at (703) 347-0189 or [schmid.emily@epa.gov](mailto:schmid.emily@epa.gov).

Sincerely,

*Emily Schmid for*

Kable Bo Davis, Product Manager 25  
Herbicide Division  
Registration Division  
Office of Pesticide Programs



United States  
Environmental Protection Agency  
Washington, DC 20460

☐  
☐  
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Registration  
Amendment  
Other

OPP Identifier Number

2/15

## Application for Pesticide - Section I

1. Company/Product Number 432-1496	2. EPA Product Manager Kable Bo Davis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) SPECTICLE 0.0142% PLUS TURF FERTILIZER HERBICIDE (SPECTICLE 0.0213% Plus Fertilizer)	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Bayer CropScience, Environmental Science division 2 T.W. Alexander Drive RTP, NC 27709 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b>  <b>JUL - 2 2014</b>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Notification of an label update to show Fertilizer section and update of CSF with minor changes.

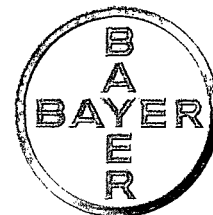
## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions [ ]	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Terrie Moore	Title Regulatory Affairs Manager	Telephone No. (Include Area Code) 919-549-5678	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received  <b>(Stamped)</b>
2. Signature 	3. Title Regulatory Affairs Manager		
4. Typed Name Terrie Moore	5. Date 6/19/14		

# Bayer CropScience



June 19, 2014

Mr. Kable Bo Davis (PM 25)  
U.S. Environmental Protection Agency (NOTIF)  
Office of Pesticide Programs (7504P)  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

Bayer CropScience  
2 T.W. Alexander Drive  
RTP, NC 27709  
Phone : 919.549.2000

RE: SPECTICLE 0.0213% PLUS TURF FERTILIZER HERBICIDE (432-1496): Notification of Fertilizer Section on Label and Update of the CSF

Dear Mr. Davis,

Bayer Environmental Science (BES) would like to submit a notification to show the Fertilizer section the label for Specticle 0.0213% plus Turf Fertilizer (432-1496) and to update the CSF.

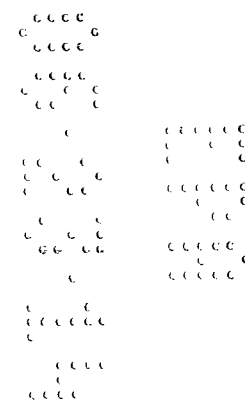
The Fertilizer section on the label has been updated with a placeholder for the fertilizer analysis and information regarding the fertilizer.

The CSF has been updated with minor changes and there are no changes to the formulation. All the changes made were administrative in nature. The changes include

- Update of Product name
- Update of name of the first component to BCS-AA10717 2% MUP Herbicide to match the EPA accepted name
- Update of the CAS No. of BCS-AA10717
- Update of the Fertilizer Supplier List

Enclosed with this letter are the following documents:

- 8570-1 Application Form
- CSF for Specticle 0.0142% Herbicide Plus Turf Fertilizer
- 2 copies of the label including one shaded



If you have any questions, please contact me at (919) 549-5678 or email me at [terrie.moore@bayer.com](mailto:terrie.moore@bayer.com).

Sincerely,

Per m

Terrie Moore  
Regulatory Affairs Manager

5/15

GROUP	29	HERBICIDE
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# SPECTICLE 0.0213% Plus Turf Fertilizer Herbicide

**[ABN: SPECTICLE 0.0213% Plus Fertilizer; Turf Pride Fertilizer with 0.0213% Specticle Pre-Emergent Herbicide]**

Preemergent Herbicide on Fertilizer for the Control of Annual Grasses, Annual Sedges, and Broadleaf Weeds in warm season Turfgrass

**ACTIVE INGREDIENT:**

Indaziflam.....0.0213%

**OTHER INGREDIENTS:**..... 99.9787%

**TOTAL:** .....100.00%

EPA Reg. No.432-1496

EPA Est.

[Fertilizer Analysis: X-X-X]

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-800-331-2867

## FIRST AID

**If in eyes:**

- Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

**If on skin or clothing:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS

#### CAUTION

Avoid contact with eyes, skin, or clothing. Causes moderate eye irritation.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material such as nitrile or butyl gloves, and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### ENGINEERING CONTROLS STATEMENTS:

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## NOTIFICATION

**JUL - 2 2014**

## User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash body thoroughly and put on clean clothing.

## ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, and plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not contaminate water when disposing of rinsate or washwater. This product may impact water through spray drift or runoff. Follow directions for use to avoid spray drift and runoff. A level well maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential for getting into water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

**Surface Water Advisory:** This pesticide may impact water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application.

**Ground Water Advisory:** This pesticide has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

## DIRECTIONS FOR USE

**It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.**

**Read entire label before using this product.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.**

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is coveralls, chemical resistant gloves made of any waterproof material, and shoes plus socks.

## NON AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Always wear protective clothing and use appropriate equipment during application and handling. Avoid contact with granules. Avoid breathing dust.

## PRODUCT INFORMATION

**SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** is a selective, preemergence alkylazine herbicide. **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** provides extended residual control of many annual grasses including crabgrass, goosegrass, and annual bluegrass, as well as annual sedges and some broadleaf weeds in turf.

Use **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** on established warm season turf in areas including golf courses (roughs and fairways), sport fields, residential, institutional, municipal and commercial turf.

**SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** controls weeds by reducing the emergence of seedlings through inhibition of cellulose biosynthesis (CB Inhibitor). **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** does not control plants emerging from tubers, rhizomes, bulbs, corms, existing rootstocks, and woody vegetation.

SPECTICLE 0.0213% plus Turf Fertilizer Herbicide Conversion Table	
Rate in lbs/Acre	Rate in lbs/1000 sq ft
100	2.3
117	2.7
134	3.1
168	3.9
200	4.6
268	6.1
302	6.9
335	7.7
418	9.6

## USE RESTRICTIONS

- Do not exceed 200 lbs of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** per acre (4.6 lbs/1000 sq ft) in a single application
- Do not exceed 418 lbs of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** per acre (9.6 lbs/1000 sq ft) for all applications within a 12-month period.
- Do not allow domestic animals to graze treated areas.
- Do not contaminate water intended for irrigation and domestic use.
- [SPECTICLE 0.0213% plus Turf Fertilizer Herbicide is not for sale, distribution, or use in Nassau county, or Suffolk county New York]

## APPLICATION INFORMATION

Apply **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** with clean, properly calibrated drop, rotary, or hand shaker or other spreader equipment according to the manufacturer's directions. Check periodically to be certain that the equipment is working properly prior to each use. Uniform application is essential for satisfactory weed control and to avoid turf injury.

## IRRIGATION AND WATERING AFTER APPLICATION

**SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** will provide residual weed control when adequate moisture is present and the application is followed by rain or irrigation within 21 days and prior to weed seed germination. With dry soil, use 0.1-0.25 inch of irrigation water, and with soil at or greater than field capacity reduce the amount of irrigation water. In either case, do not create conditions that cause visible run-off of irrigation water. Adequate rainfall following an application will negate the need for irrigation.

## EQUIPMENT CLEANUP PROCEDURE

Equipment used to apply **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** must be cleaned prior to use on sensitive turf, or injury may result. Before and after using **SPECTICLE 0.0213% plus Turf Fertilizer, Herbicide** clean all equipment on an approved surface pad. Wear proper PPE while cleaning equipment.

## RESISTANCE MANAGEMENT

**SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** controls weeds by inhibiting cellulose biosynthesis. **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** is classified as a Group 29 herbicide. No known resistance to **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** exists, and there are no known instances of cross-resistance between **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** and other classes of herbicides with other modes of action.

Prolonged use of any herbicide with the same mode of action may lead to selection of resistant weed populations and a reduction in efficacy. Rotation of herbicides with an alternate mode of action can help prevent the development and spread of resistant weed populations. If resistance to **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** is suspected, use a herbicide with an alternate mode of action. The decision to use any particular herbicide must be based on an IPM program and all cultural practices and other pesticides in use.

## APPLICATIONS ON, GOLF COURSES, SPORTS FIELDS, RESIDENTIAL, INSTITUTIONAL, MUNICIPAL and COMMERCIAL TURF

### USE RESTRICTIONS FOR SPECTICLE 0.0213% plus Turf Fertilizer Herbicide.

- Do not apply **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** to newly seeded turf. (Turf is defined as established at least 16 months after seeding or sprigging).
- Do not apply to golf course greens, tees, or collars.
- Do not apply to saturated soil

### USE OF SPECTICLE 0.0213% plus Turf Fertilizer Herbicide IN COARSE AND SANDY SOILS

Soil conditions can affect the tolerance of turf to **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide**. Coarse or sandy soils may allow for downward movement of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** into the root zone and cause significant root damage and phytotoxicity. Coarse soils, for example, may include significant quantities of sand, gravel, decomposed granite, and ground cinders. Prior to application of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** in these soils, confirm soil texture with a soil test. Turf grown in soil exceeding 80% sand or 20% gravel may be at risk. Low rate multiple applications of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** may reduce the risk on these soils. Refer to use rates for 'Multiple Application Program of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide**' section of this label.

If **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** is to be applied in these soils, evaluate tolerance of a small area of turf in **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** treated soil prior to a large scale application.

### USE OF SPECTICLE 0.0213% PLUS TURF FERTILIZER HERBICIDE ON WEAKENED OR STRESSED TURF

**SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** controls weeds by inhibiting root development. Newly developing roots of desirable turf may be affected. Factors, both biotic and abiotic, that weaken turf include winterkill, spring dead spot, transitioning ryegrass, Bermudagrass spring root decline, soil compaction, foliar and root diseases, nematodes, salt accumulation, shade, excessive foot or equipment traffic, newly verticut turf, and drought. Application of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** to turf in these situations may delay turf recovery.

**SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** may also be used on dormant turf. The user must assess the condition of turf prior to dormancy. If turf is showing stress prior to dormancy, application of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** may delay green-up and turf recovery.

Application of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** to stressed turf may produce symptoms of injury including yellowing, purple discoloration, thinning, and necrosis.

## Tolerance

**SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** can be used on the following turf types.

### Warm season turfgrasses and their cultivars

- **Bermudagrass\*** (*Cynodon dactylon*) (and hybrids)-*Baby, Celebration, Common, Floratex, GN1, TifSport, Tifton 10, Tifway 419, Princess, Vamont, Riviera, Yukon*
- **Zoysiagrass\*** (*Zoysia spp*)-*Cavalier, Crowne, DeAnza, El Toro, Empire, GNZ, Jamar, Meyer, Palisades, Zenith, Zeon*
- **Centipedegrass\*** (*Eremochloa ophiuroides*)- *Tifblair*
- **St. Augustinegrass\*** (*Stenotaphrum secundatum*)-*Captiva, Floratam, Floratine, Palmetto, Raleigh*
- **Buffalograss** (*Buchloe dactyloides*)
- **Bahiagrass** (*Paspalum notatum*)

\*Application of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** may temporarily inhibit the rooting of stolons of bermudagrass, zoysiagrass, centipedegrass, and St. Augustinegrass. Before making a large-scale application to other cultivars, treat a small area of turf with **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** and allow four weeks to assess acceptable turf tolerance.

**SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** may cause unacceptable injury on some turf types. **Do not use** on the following sensitive turf types or on turf that is a mixture or is overseeded with any of these grasses, unless removal is desired.

- **Creeping bentgrass** (*Agrostis palustris*)
- **Annual bluegrass** (*Poa annua*)
- **Fine fescue** (*Festuca rubra*)
- **Tall fescue** (*Festuca arundinaceae*)
- **Kikuyugrass** (*Pennisetum clandestinum*)
- **Annual ryegrass** (*Lolium multiflorum*)
- **Perennial ryegrass** (*Lolium perenne*)
- **Seashore Paspalum** (*Paspalum vaginatum*)
- **Bermudagrass** (*Cynodon dactylon*) Common variety "Ormond"

**Maximum Single Application Rates for SPECTICLE 0.0213% plus Turf Fertilizer Herbicide on Warm Season Grasses**

Turf Type	SPECTICLE 0.0213% plus Turf Fertilizer Herbicide Rate (lbs/acre)	SPECTICLE 0.0213% plus Turf Fertilizer Herbicide Rate (lbs/1000 sq feet)
Bermudagrass	200	4.6
Zoysiagrass		
Buffalograss		
Bahiagrass	134	3.1
St. Augustinegrass		
Centipedegrass		

**PRECAUTIONS FOR USE OF SPECTICLE 0.0213% plus Turf Fertilizer Herbicide NEAR SENSITIVE GRASSES**

**CAUTION:** SPECTICLE 0.0213% plus Turf Fertilizer Herbicide can cause turf injury and stand reduction to sensitive grasses listed in the Turf Tolerance section of this label.

- **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** may affect sensitive grasses downslope from treated areas after excessive rainfall, particularly warm-grasses overseeded with Ryegrass. To minimize off-target effects of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** on sensitive grasses, irrigate after application as directed in the **IRRIGATION AND WATERING AFTER APPLICATION** section of this label and follow the directions below for specific situations.

**RESTRICTIONS AND PRECAUTIONS AROUND GREENS AND TEES CONTAINING COOL SEASON GRASSES**

- Do not apply **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** on uphill slopes adjacent to bentgrass or Bermudagrass greens overseeded with cool season grasses such as *Poa trivialis*.

**PRECAUTIONS**

- For applications of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** adjacent to bentgrass greens and Bermudagrass greens and tees overseeded with roughstalk bluegrass (*Poa trivialis*), perennial ryegrass (*Lolium perenne*), or other cool season grasses, follow the precautions above and provide an untreated buffer zone of at least 15 ft.

**PRECAUTIONS FOR USE ADJACENT TO SENSITIVE GRASSES**

- **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** may be applied in situations where warm season grasses are adjacent to sensitive grasses. The applicator, however, must take care not to apply **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** directly to sensitive grasses or injury may occur. Use a shield when applying **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** next to sensitive grasses.

## Use Rates, Timings, and Maximum Seasonal Rate for SPECTICLE 0.0213% plus Turf Fertilizer Herbicide on Turf

The desired rate of SPECTICLE 0.0213% plus Turf Fertilizer Herbicide for each application and the interval between applications depends on the turfgrass being treated, the weeds to be controlled and local conditions such as soil texture. Applications of SPECTICLE 0.0213% plus Turf Fertilizer Herbicide are made in any season prior to weed seed germination. Depending on local conditions and weed control desired, sequential applications of SPECTICLE 0.0213% plus Turf Fertilizer Herbicide may be made in a calendar year.

Factors to consider when deciding between single, split, and multiple application programs include:

- Weeds to be controlled
- Weed pressure
- Turf tolerance
- Length of residual control desired
- Soil texture
- Other herbicides used
- Mowing height
- Turf density
- Turf health

### SINGLE APPLICATION PROGRAM FOR SPECTICLE 0.0213% plus Turf Fertilizer Herbicide\*

Target Weed	SPECTICLE 0.0213% plus Turf Fertilizer Herbicide Rate Range (lbs/acre)**	SPECTICLE 0.0213% plus Turf Fertilizer Herbicide Rate Range (lbs/1000 sq ft)
Crabgrass	134-200	3.1-4.6
Goosegrass		
Annual Bluegrass		
Broadleaf weeds		
Annual sedge and kyllinga		

\*Use higher use rates within the rate range for each target weed when a site has historically higher weed pressure. Also, use higher rates on fine textured soils and lower rates on medium and coarse textured soils.

\*\*The maximum single application on turf is 200 lbs per acre (4.6 lbs/1000 sq ft). Do not exceed 418 lbs of SPECTICLE 0.0213% plus Turf Fertilizer Herbicide per acre (9.6 lbs/1000 sq ft) in a 12-month period.

Split or multiple applications of SPECTICLE 0.0213% plus Turf Fertilizer Herbicide can be made in a use season to extend the length of control of specific weeds, to control weeds germinating over an extended period, and to control other weeds emerging during the same or overlapping period. Depending on the weed pest (see table below), make follow-up applications within 30-90 days after the initial application. The total amount of SPECTICLE 0.0213% plus Turf Fertilizer Herbicide applied in a calendar year must not exceed 418 lbs of product per acre (9.6 lbs/1000 sq ft).

### SPLIT APPLICATION PROGRAM FOR SPECTICLE 0.0213% PLUS TURF FERTILIZER HERBICIDE

#### Use rate for Split Applications of SPECTICLE 0.0213% PLUS TURF FERTILIZER HERBICIDE

Target Weed	Rate Range for SPECTICLE 0.0213% plus Turf Fertilizer Herbicide (initial application)		Rate Range for SPECTICLE 0.0213% plus Turf Fertilizer Herbicide (follow-up application within 45-90 days)	
	In lbs/acre	In lbs/1000 sq ft	In lbs/acre	In lbs/1000 sq ft
Crabgrass	100-200	2.3-4.6	100-200	2.3-4.6
Goosegrass				
Annual Bluegrass	100-200	2.3-4.6		
Broadleaf weeds	134-200	3.1-4.6		
Annual sedge and kyllinga	134-200	3.1-4.6	134-200	3.1-4.6

#### CRABGRASS AND GOOSEGRASS CONTROL

SPECTICLE 0.0213% plus Turf Fertilizer Herbicide provides pre-emergent control of crabgrass and goosegrass emerging from seed. For pre-emergent activity, SPECTICLE 0.0213% plus Turf Fertilizer Herbicide is not effective until activated by rainfall or irrigation. SPECTICLE 0.0213% plus Fertilizer Herbicide does not control established crabgrass, perennial (continual growth) goosegrass or plants emerging from existing crowns. If goosegrass or crabgrass is evident at time of application, use a labeled post emergent herbicide for control of existing plants.

### ANNUAL BLUEGRASS CONTROL

Make pre-emergent applications of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** between August and September depending on the germination of annual bluegrass in each geographical area. The optimum timing is dependent on peak annual bluegrass germination and local conditions in a particular year.

### BROADLEAF WEED CONTROL

**SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** provides pre-emergence control of many annual broadleaf weeds. Control is affected by the size of the seed, and the depth of the seed within the soil profile. **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** must be activated by rainfall or irrigation prior to germination. Large seeded broadleaf weeds or weeds germinating deeper than several inches in the soil profile may not be effectively controlled by **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide**.

### ANNUAL SEDGES AND KYLLINGA CONTROL

**SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** provides pre-emergence control of sedges and kyllinga emerging from seed. **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** does not control established sedges and kyllinga (green kyllinga), or sedges emerging from tubers (nutlets) including yellow and purple nutsedge.

Weeds Controlled or Suppressed by SPECTICLE 0.0213% plus Turf Fertilizer Herbicide	
Broadleaf Weeds	
American black nightshade	<i>Solanum americanum</i>
American burnweed	<i>Erechtites hieracifolia</i>
Bittercress	<i>Cardamine sp.</i>
Black medic*	<i>Medicago lupulina</i>
Buckwheat, wild	<i>Polygonum convolvulus</i>
California burclover	<i>Medicago polymorpha</i>
Canada thistle, common (seedlings)	<i>Cirsium arvense</i>
Chickweed, Common	<i>Stellaria media</i>
Chickweed, Mouse-ear	<i>Cerastium vulgatum</i>
Clover, White	<i>Trifolium repens</i>
Corn speedwell	<i>Veronica arvensis</i>
Cudweed, Linear-leaf/purple	<i>Gnaphalium purpureum</i>
Curly dock	<i>Rumex crispus</i>
Dandelion, Cat's ear	<i>Hypochoeris radicata</i>
Dandelion, common (seedlings)	<i>Taraxacum officinale</i>
Eclipta	<i>Eclipta alba</i>
Evening primrose, Common	<i>Oenothera biennis</i>
Evening primrose, Cutleaf	<i>Oenothera laciniata</i>
False chamomile*	<i>Matricaria maritima</i>
Filaree, Redstem	<i>Erodium cicutarium</i>
Florida pusley	<i>Richardia scabra</i>
Groundsel, common	<i>Senecio vulgaris</i>
Hairy fleabane	<i>Erigeron bonariensis</i>
Hairy nightshade	<i>Solanum sarrachoides</i>
Henbit	<i>Lamium amplexicaule</i>
Kochia	<i>Kochia scoparia</i>
Lambsquarters, common	<i>Chenopodium album</i>
Lawn burweed	<i>Soliva sessilis</i>
Little mallow	<i>Malva parviflora</i>
London rocket*	<i>Sisymbrium irio</i>
Longstalked phyllanthus	<i>Phyllanthus tenellus</i>
Marestail	<i>Conyza canadensis</i>
Mustard, Black*	<i>Brassica nigra</i>
Mustard, Wild	<i>Sinapis arvensis</i>
Parthenium	<i>Parthenium hysterophorus</i>

Pigweed, Prostrate	<i>Amaranthus blitoides</i>
Pigweed, Redroot	<i>Amaranthus retroflexus</i>
Plantain, Buckhorn	<i>Plantago lanceolata</i>
Plantain, Paleseed	<i>Plantago virginica</i>
Prostrate knotweed	<i>Polygonum aviculare</i>
Prostrate spurge	<i>Euphorbia maculata</i>
Puncturevine	<i>Tribulus terrestris</i>
Purslane, common	<i>Portulaca oleracea</i>
Ragweed, Common*	<i>Ambrosia artemisiifolia</i>
Spurge, Spotted	<i>Euphorbia maculata</i>
Tassel flower	<i>Emilia sonchifolia</i>
Redmaids	<i>Calandrinia caulescens</i>
Sesbania, Hemp*	<i>Sesbania exaltata</i>
Shepherd's-purse	<i>Capsella bursa-pastoris</i>
Sida, Prickly/Teaweed*	<i>Sida spinosa</i>
Southern brassbuttons*	<i>Cotula australis</i>
Sowthistle, Annual	<i>Sonchus olerachus</i>
Sunflower*, Common	<i>Helianthus annuus</i>
Swinecress	<i>Coronopus didymus</i>
Tropic ageratum	<i>Ageratum conyzoides</i>
Velvetleaf*	<i>Abutilon theophrasti</i>
Vetch, Purple*	<i>Vicia benghalensis</i>
Wild carrot*	<i>Daucus carota</i>
Willowherb	<i>Epilobium brachycarpum</i>
Woodsorrel, Yellow*	<i>Oxalis stricta</i>
Woodsorrel/Oxalis*	<i>Oxalis sp</i>
<b>GRASSES, MONOCOTS and SEDGES</b>	
Annual bluegrass/ 'Poa'	<i>Poa annua</i>
Annual kylinga	<i>Cyperus sesquiflorus</i>
Barnyardgrass, Common	<i>Echinochloa crus-galli</i>
Cheatgrass	<i>Bromus secalinus</i>
Crabgrass	<i>Digitaria sp</i>
Crabgrass, Henry	<i>Digitaria ciliaris</i>
Crabgrass, Large/Hairy	<i>Digitaria sanguinalis</i>
Crabgrass, Smooth	<i>Digitaria ischaemum</i>
Doveweed	<i>Murdannia nudiflora</i>
Foxtail brome	<i>Bromus rubens</i>
Foxtail, Giant	<i>Setaria faberi</i>
Foxtail, Green	<i>Setaria viridis</i>
Foxtail, Yellow	<i>Pennisetum glaucum</i>
Goosegrass	<i>Eleusine indica</i>
Guineagrass	<i>Panicum maximum</i>
Kyllinga, Fragrant/Annual	<i>Kyllinga odorata</i>
Mouse barley	<i>Hordeum murinum</i>
Rice flatsedge	<i>Cyperus iria</i>
Ryegrass, Italian	<i>Lolium multiflorum</i>
Ryegrass, Perennial	<i>Lolium perenne</i>
Sandbur	<i>Cenchrus longispinus</i>

Sedge, Annual***	<i>Cyperus spp.</i>
Tufted lovegrass	<i>Eragrostis pectinacea</i>

\* Weeds suppressed by **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide**

\*\*Higher labeled rates must be used if weed pressure is historically high or longer residual control is desired (See Use Rates in the **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** chart). The rate chosen must not exceed the tolerance for an individual turf type. Weed control can also be achieved with multiple applications of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide**. Do not exceed a total of 400 lbs of product per acre per year (9.2 lbs/1000 sq ft/year) with split applications.

\*\*\* **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** only controls sedges and kyllinga emerging from seed. It does not control perennial sedge emerging from nutlets or perennial forms of kyllinga.

## SEEDING, OVERSEEDING, RE-SEEDING, SPRIGGING AND SODDING

### SEEDING, RE-SEEDING, AND OVERSEEDING

Timing of seeding, re-seeding, overseeding, sprigging, and sodding turf relative to an application of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** needs to be tracked carefully. **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** can inhibit root development, as well as the emergence of seed. Newly emerged seedlings may be damaged and establishment of sod may be affected if **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** is applied to turf that is not well established.

Application of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** prior to overseeding bermudagrass with perennial ryegrass or reseeded into warm season turf

**SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** may be used to control weeds in bermudagrass prior to overseeding with a cool season grass or re-seeding seeded cultivars of bermudagrass, provided that the interval between application and seeding is appropriate (See **INTERVAL BETWEEN APPLICATION OF SPECTICLE 0.0213% plus Turf Fertilizer Herbicide AND SEEDING OR OVERSEEDING** table below.) Overseeding and re-seeding intervals are affected by the rate of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** applied, rainfall in a given year and soil texture. Applications made sooner than the suggested intervals may decrease the establishment of the new seedlings and reduce turf coverage.

INTERVAL BETWEEN APPLICATION OF <b>SPECTICLE 0.0213% plus Turf Fertilizer Herbicide</b> AND SEEDING OR OVERSEEDING	
Rate Range for <b>SPECTICLE 0.0213% plus Turf Fertilizer Herbicide</b>	Minimum Overseeding Interval
100-134 lb/A (2.3-3.1 lb/1000 sq ft)	10 months
134-200 lb/A (3.1-4.6 lb/1000 sq ft)	12 months

### WARM SEASON GRASSES ESTABLISHED WITH SPRIGS

**SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** may be applied to sprigged warm season turf. The sprigs need to be well rooted prior to application. Apply the herbicide no sooner than 16 months after sprigging to allow for good stand establishment. Prior to application, check rooting to make sure new roots are developing. If roots are not growing, delay application of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide**.

### SODDING WARM SEASON GRASSES

Delay sodding into bare ground or turf treated with **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** until 6 months after application. Sodding before 6 months may result in poor establishment of the sod.

Delay the application of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide** if sod is not established. Sod needs to be established at least 3 months prior to an application of **SPECTICLE 0.0213% plus Turf Fertilizer Herbicide**.

## STORAGE AND DISPOSAL

Do not contaminate water, food; or feed by storage or disposal.

### STORAGE

Store in original container. Store in a manner to prevent cross-contamination of other pesticides or fertilizer, food, and feed. Do not store in or around the home. Store in a dry, locked storage area.

### PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING

Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling, if available. Dispose of in a sanitary landfill, or by incineration; or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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## IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

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## NET CONTENTS:

Produced for



Bayer Environmental Science

A Division of Bayer CropScience, LP  
PO Box 12014 2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

**SPECTICLE 0.0213% Plus Turf Fertilizer Herbicide (PENDING) 06/11/2013, Notification 05/07/2014, Notification 05/15/2014**

[For placement under Fertilizer Guaranteed Section]

**Fertilizer Analysis: X-X-X**

Information regarding the contents and levels of metals in this product are available on the Internet at <http://www.regulatory-info-ba.com>. {or specific company website}.

Net Weight:

Florida License Number: FXXXX

[Information concerning the raw materials contained in this product can be obtained by writing to: {Insert Sub-registrant address}, referring to the item number found on this bag.]

[illegible]